

GPR15 Polyclonal Antibody
Catalog # AP70161**Specification**

GPR15 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	P49685
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal

GPR15 Polyclonal Antibody - Additional Information**Gene ID** 2838**Other Names**

GPR15; G-protein coupled receptor 15; Brother of Bonzo; BoB

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

GPR15 Polyclonal Antibody - Protein Information**Name** GPR15**Function**

G protein-coupled receptor that plays an important role in immune homeostasis (PubMed:33758080, PubMed:38918398). Acts via its natural ligand GPR15LG, a chemokine-like polypeptide strongly expressed in gastrointestinal tissues. GPR15-GPR15LG signaling axis regulates intestinal homeostasis and inflammation through the migration of immune cells (PubMed:33758080, PubMed:38918398). Controls thereby the specific homing of T-cells, particularly FOXP3+ regulatory T-cells (Tregs), to the large intestine lamina propria (By similarity). Also required for skin localization of thymus-derived dendritic epidermal T-cells (By similarity). Plays an important role in mediating cytoprotective function as well as angiogenesis of thrombomodulin (By similarity). Mechanistically, preferentially signals through the Gi/o pathway to inhibit adenylate cyclase activity and activate a phosphatidylinositol- calcium second messenger system that regulates the release of Ca(2+) ions from intracellular stores (PubMed:<a

<http://www.uniprot.org/citations/35510660> target="_blank">35510660).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

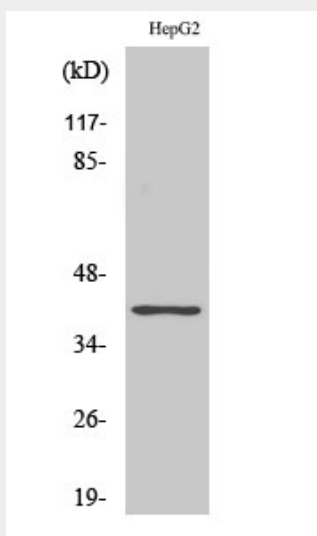
Highly expressed in lymphoid tissues, including macrophages and peripheral blood mononuclear cells

GPR15 Polyclonal Antibody - Protocols

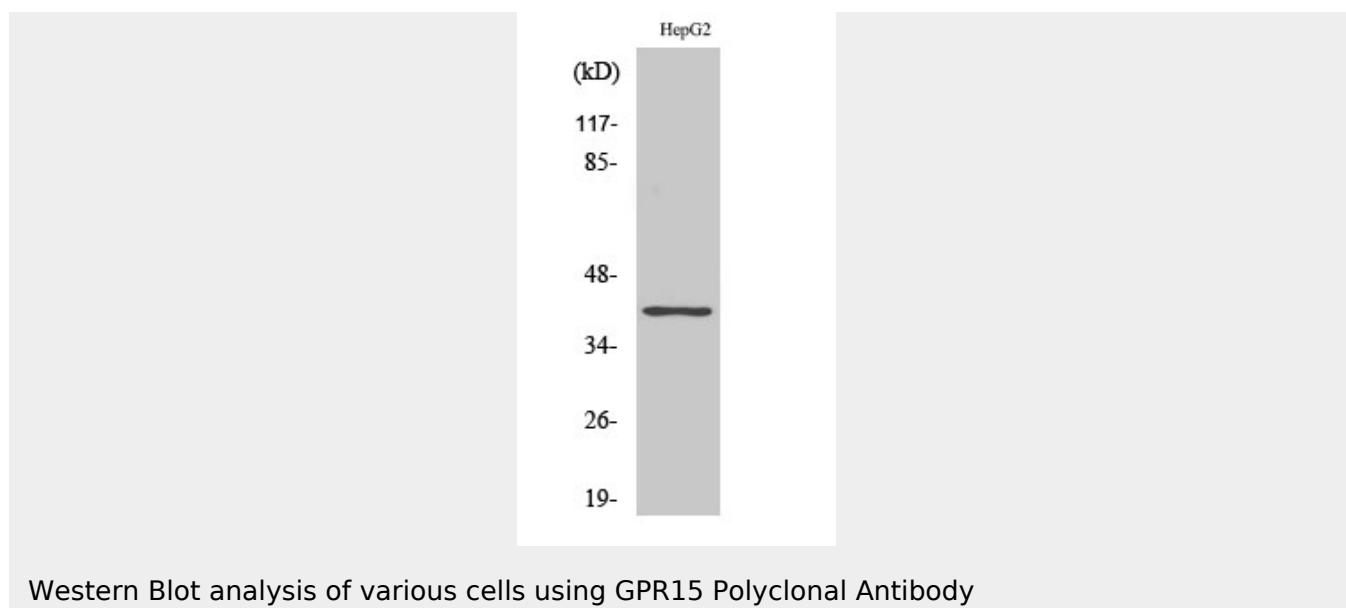
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR15 Polyclonal Antibody - Images



Western Blot analysis of various cells using GPR15 Polyclonal Antibody



GPR15 Polyclonal Antibody - Background

Probable chemokine receptor. Alternative coreceptor with CD4 for HIV-1 infection.